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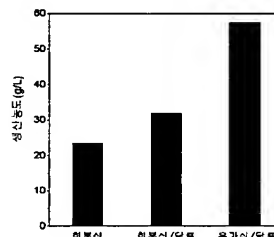
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(54) PROCESS FOR PRODUCING HIGH CONCENTRATION POLYGLUTAMIC ACID USING ADDITIONAL PROVISION OF SUGARS

(57) Abstract:

PURPOSE: A process for producing high concentration polyglutamic acid using additional provision of sugars is provided, thereby economically mass-producing polyglutamic acid.

CONSTITUTION: The process for producing high concentration polyglutamic acid comprises the steps of fed-batch fermenting *Bacillus* sp. bacteria in a medium containing glycerol, citric acid and glutamic acid, and additionally providing sugars to maintain the concentration of sugar in the medium to 2 to 3 g/l during the fed-batch fermentation. Where, *Bacillus* sp. is *Bacillus licheniformis* (ATCC 9945A).



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